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 Title: CN1474687A: Mdeicine based on anti-hyperglycaemic microcapsules with

prolonged release

Derwent Title: Oral anti-hyperglycemic composition having a microcapsule core where each

microcapsule is coated with film for prolonged release [Derwent Record]

© Country:

A UNEXAMINED APPLICATION FOR A PATENT FOR INV. (See also:

CN1474687T)

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FLAMEL TECHNOLOGIES France PAssignee:

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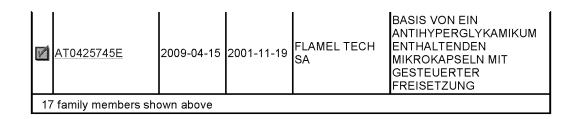
Gazette date	Code	Description (remarks)	List all possible codes for CN
2004-04-21	C10	Request of examination as	to substance
2004-02-11	C06 +	Publication	

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Family:

PDF	Publication	Pub. Date	Filed	Assignee	Title
	WO0239984A3			FLAMEL	MEDICINE BASED ON ANTI- HYPERGLYCAEMIC MICROCAPSULES WITH PROLONGED RELEASE
A	WO0239984A2	2002-05-23	2001-11-19	FLAMEL TECHNOLOGIES	MEDICINE BASED ON ANTI- HYPERGLYCAEMIC MICROCAPSULES WITH PROLONGED RELEASE AND METHOD FOR PREPARING SAME
24	US20040175424A1	2004-09-09	2003-06-06		Medicine based on anti- hyperglycaemic microcapsules with prolonged release and method for preparing same
	PT1333816E	2009-06-23	2001-11-19	FLAMEL TECH	MEDICINE BASED ON ANTI- HYPERGLYCAEMIC MICROCAPSULES WITH

				SA	PROLONGED RELEASE AND METHOD FOR PREPARING SAME
M	JP2004513913T2	2004-05-13	2001-11-19		1112171111110 0711112
	FR2816840B1	2004-04-09	2000-11-17	FLAMEL TECHNOLOGIES	MEDICAMENT A BASE DE MICROCAPSULES D'ANTI- HYPERCLYCEMIANT A LIBERATION PROLONGEE ET SON PROCEDE DE PREPARATION
	FR2816840A1	2002-05-24	2000-11-17	FLAMEL TECHNOLOGIES	MEDICAMENT A BASE DE MICROCAPSULES D'ANTI- HYPERCLYCEMIANT A LIBERATION PROLONGEE ET SON PROCEDE DE PREPARATION
	ES2324205T3	2009-08-03	2001-11-19	FLAMEL TECH SA	MEDICAMENTO A BASE DE MICROCAPSULAS DE ANTI- HIPERGLUCEMIANTE DE LIBERACION PROLONGADA Y SU PROCEDIMIENTO DE PREPARACION.
28	EP1333816B1	2009-03-18	2001-11-19	FLAMEL TECHNOLOGIES	MEDICINE BASED ON ANTI- HYPERGLYCAEMIC MICROCAPSULES WITH PROLONGED RELEASE AND METHOD FOR PREPARING SAME
Ja.	EP1333816A2	2003-08-13	2001-11-19	FLAMEL TECHNOLOGIES	MEDICINE BASED ON ANTI- HYPERGLYCAEMIC MICROCAPSULES WITH PROLONGED RELEASE AND METHOD FOR PREPARING SAME
	DE60138033C0	2009-04-30	2001-11-19	FLAMEL TECH SA	MEDIKAMENT AUF DER BASIS VON EIN ANTIHYPERGLYKÄMIKUM ENTHALTENDEN MIKROKAPSELN MIT GESTEUERTER FREISETZUNG
	<u>CN1853617A</u>	2006-11-01	2001-11-19	FLAMEL TECH SA	Medicine based on anti- hyperglycaemic microcapsules with prolonged release
Ø	CN1474687A	2004-02-11	2001-11-19	FLAMEL TECHNOLOGIES	Mdeicine based on anti- hyperglycaemic microcapsules with prolonged release
	<u>CA2428782AA</u>	2002-05-23	2001-11-19	FLAMEL TECHNOLOGIES	MEDICINE BASED ON ANTI- HYPERGLYCAEMIC MICROCAPSULES WITH PROLONGED RELEASE
	BR0115958A	2004-01-06	2001-11-19	FLAMEL TECHNOLOGIES	Medicamento, processo de prepara o do medicamento e uso de uma pluralidade de microc psulas
	AU0220796A5	2002-05-27	2001-11-19	FLAMEL TECHNOLOGIES	MEDICINE BASED ON ANTI- HYPERGLYCAEMIC MICROCAPSULES WITH PROLONGED RELEASE AND METHOD FOR PREPARING SAME
					MEDIKAMENT AUF DER



SOther Abstract Info:





None





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代理人 李华英

权利要求书4页 说鸦书13页 附图2页

[54] 发明名称 基于抗高血糖药微胶囊的延时释放 药物

[57] 捣戛

本发明涉及一种用于延时释放抗高血糖药(二甲双胍)活性成分的口服盖仑制剂形式。 该药物能够通过克服吸收窗旁路和活性成分大量局部化释放问题商获得持续24小时的有效治疗保护。 因此,该药物包含几千个抗高血糖药(二甲双胍)微胶囊,每个微胶囊由包含至少一种抗高血糖药的囊心和积少,该囊心并使该抗高血糖药在体内延时释放的包数形式。 转运动力学的可重复性和因此的生物利用率是非常高的。 这导致患者发生高血糖或低血糖的危险较小。 本发明还涉及该药物的制造, 本发明可应用于II型糖尿病的治疗。

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- 1. 基于至少一种可以通过口服途径给药的抗高血糖药的药物, 其特征在于:
- * 它包含多个微胶囊,每一个微胶囊由含有至少一种抗高血糖药 的囊心和涂敷于该囊心并能使该抗高血糖药在体内延时释放的包衣膜 组成。

排除由肠溶组合物构成的包衣膜和具有以下组成的包衣膜:

- 1-至少一种不溶于胃肠道液体的成膜聚合物(P1), 其存在比例为基于该包衣组合物总质量干重的 50-90%, 优选 50-80%, 并由至少一种不溶于水的纤维素衍生物即乙基纤维素和/或醋酸纤维素组成;
- 2.至少一种含氮聚合物(P2), 其存在比例为基于该包衣组合物总质量干重的 2-25%, 优选 5-15%, 并由至少一种聚丙烯酰胺和/或一种聚-N-乙烯内酰胺, 即聚丙烯酰胺和/或聚乙烯吡咯烷酮组成;
- 3-至少一种增塑剂, 其存在比例为基于该包衣组合物总质量干重的 2-20%, 优选 4-15%, 并由至少一种以下化合物组成: 甘油酯、邻苯二甲酸酯、柠檬酸酯、癸二酸酯、十六烷醇酯、十六烷醇酯、蓖麻油、水杨酸和角质素;
- 4及任选地至少一种表面活性剂和/或润滑剂, 其存在比例为基于该包衣组合物总质量干重的 2-20%, 优选 4-15%, 并选自朋离子表面活性剂, 即脂肪酸优选硬脂酸和/或油酸的碱金属或碱土金属盐; 和/或选自非离子型表面活性剂, 即聚氧乙烯化失水山梨糖醇酯和/或聚氧乙烯化蓖麻油衍生物; 和/或选自润滑剂, 如硬脂酸钙、硬脂酸镁、硬脂酸铝或硬脂酸锌, 或者如硬脂基富马酸钠和/或山蓄酸甘油酯; 所述表面活性剂和/或润滑剂可能包含仅一种上述产品或包含上述产品的混合物;
- * 这些微胶囊的粒径为 50-1000 微米, 优选 100-750 微米, 更优选 200-500 微米,